

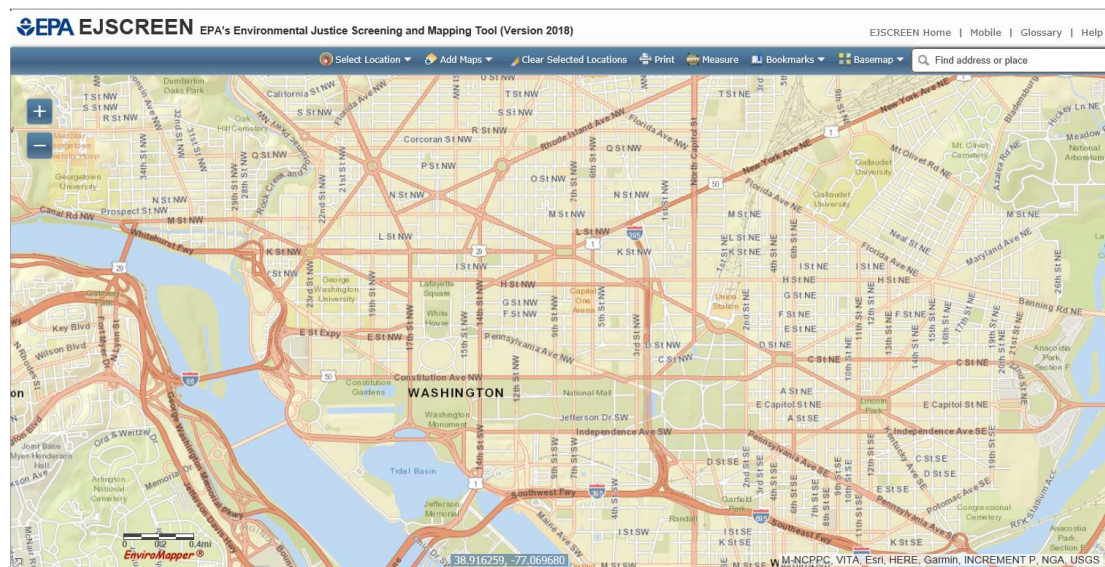
# **EJSCREEN and APCD Website Resources**

**Air Pollution Control District  
07/13/2019**



# Overview

- EJSCREEN Background
- EJSCREEN Demonstration
- APCD Website Resources



# What is environmental justice (EJ)?

- The **fair treatment and meaningful involvement of all people** regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.
- It's achieved when **everyone** enjoys the same degree of protection from environmental and health hazards **and** equal access to the decision-making process to have a healthy environment in which to live, learn, and work.

- U.S. Environmental Protection Agency

# What is EJSCREEN?

- An EPA tool for environmental justice (EJ) screening and mapping
- Web-based; available to both the EPA and public
- Includes 11 environmental indicators, 6 demographic indicators and 11 EJ indexes
- Replaced EJView, a previously publicly available EJ screening tool
- Incorporates recommendations from the [National Environmental Justice Advisory Council \(NEJAC\)](#)

# How is EJSCREEN used?

- By the **Public**:
  - To help identify potential environmental quality issues
  - Provide data to support educational programs, grant writing, etc.
  - Community awareness
  - Better understand how EPA considers EJ in their work
- By **EPA**:
  - As a preliminary step when considering environmental justice
  - For community outreach and engagement
  - Prioritization
  - Evaluate areas where EPA can conduct place-based work

# Demonstration



Environmental Topics

Laws & Regulations

About EPA

Search EPA.gov



## EJSCREEN: Environmental Justice Screening and Mapping Tool

CONTACT US

SHARE



### Launch the EJSCREEN Tool

[Explore EPA's environmental justice screening and mapping tool](#)



### Links

- [Environmental Justice at EPA](#)
- [Grants and Other Funding Opportunities](#)
- [EPA's Environmental Justice in Action Blog](#)
- [Sign Up to Receive Updates on EJSCREEN and Other EJ Issues](#)

In order to better meet the Agency's responsibilities related to the protection of public health and the environment, EPA has developed a new environmental justice (EJ) mapping and screening tool called EJSCREEN. It is based on nationally consistent data and an approach that combines environmental and demographic indicators in maps and reports.

### What is EJSCREEN?



- [What is EJSCREEN?](#)
  - [How was It Developed?](#)
  - [How Does EPA Use It?](#)
  - [Purposes and Uses](#)

### Learn to Use EJSCREEN



- [Learn to Use EJSCREEN](#)

### Launch the Tool



- [Launch the EJSCREEN Tool](#)



# APCD Website

- Provides information about Louisville's air quality (*e.g.* AQI, Louisville Air Watch)
- Informs the public about proposed actions; permits and compliance; Air Pollution Control Board activities
- Access to environmental outreach programs (*e.g.* Clearing the Air Workshop Series, LCCA, GMMML, KAIRE)



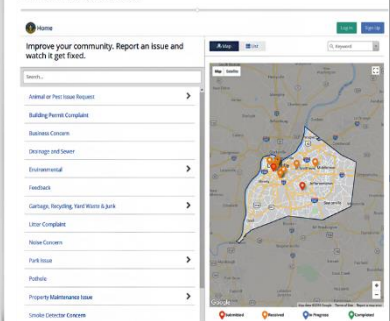
# APCD Website Resources

LOUISVILLE  
AIR WATCH

[Click here for real-time air monitoring data](#)



Metro311 Request Portal



KAIRE  
KENTUCKIANA AIR EDUCATION



# Air Pollution Control Board

- Reports received
  - Air Quality Report
  - Enforcement Status Report
  - Excess Emissions Report
  - Compliance Investigation Status Report (**NEW!**)

## National Ambient Air Quality Standards (NAAQS):

National Ambient Air Quality Standards consist of primary and secondary standards. The primary standards define levels of air quality which EPA judges are necessary, with an adequate margin of safety, to protect the health of the population. The secondary standards are necessary to protect the environment. The standards for PM<sub>2.5</sub> are necessary to protect the health of the population.

## Louisville Metro Air Pollution Control District PM<sub>2.5</sub> Monitoring Report May 2019

This report summarizes PM<sub>2.5</sub> data collected by Federal Reference Method (FRM) and Federal Equivalent Method (FEM) instruments. Measurements are reported as 24-hour averages in micro-grams per cubic meter (µg/m<sup>3</sup>). The data are subject to further quality assurance checks and are not final.

### PM<sub>2.5</sub> Monthly Data Summary for April 2019

Site Name	Maximum		Minimum		Sample Recovery	Monthly Average
	Conc.	Date	Conc.	Date		
Firearms Training *	13.9	4/4/19	1.0	4/20/19	NA	8.1
Dursett Lane	15.5	4/6/19	1.9	4/20/19	NA	8.9
Cannons Lane	13.9	4/30/19	1.7	4/20/19	NA	7.7
Watson Lane	15.6	4/6/19	1.1	4/20/19	NA	8.2
Overall	15.6	4/6/19	1.0	4/20/19	NA	8.2

\* Firearms Training replaced Southwick on 1/5/2018

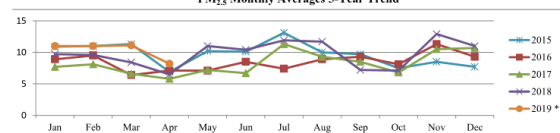
### PM<sub>2.5</sub> Monthly Averages Tracking Table for 2009-2019

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Months
2009	14.6	11.1	11.3	9.3	10.3	13.9	13.1	12.6	12.1	8.9	13.8	12.9	0
2010	13.3	16.3	12.2	12.2	11.0	14.1	16.0	16.4	11.0	17.0	12.6	13.7	4
2011	15.2	10.6	9.7	8.6	12.1	14.1	19.7	16.2	11.5	9.0	7.6	9.9	3
2012	8.9	9.5	9.2	7.2	11.7	10.9	12.5	11.9	8.6	7.3	13.1	9.6	0
2013*	10.5	10.0	8.5	7.6	8.8	11.6	10.1	12.7	11.9	9.3	7.2	10.7	0
2014	7.5	14.3	11.7	9.6	10.7	14.0	16.4	13.6	9.9	7.9	9.8	12.4	5
2015	10.9	11.0	11.3	6.9	10.2	10.1	13.1	10.0	9.7	7.5	8.5	7.7	1
2016	8.9	9.5	6.4	7.1	7.1	8.5	7.4	8.9	9.3	8.1	11.3	9.3	0
2017	7.7	8.1	6.6	5.8	7.2	6.7	11.3	9.3	8.5	6.8	10.5	10.7	0
2018	9.7	9.6	8.4	6.5	11.0	10.4	11.9	11.7	7.2	7.1	12.9	11.0	1
2019 **	11.0	11.0	11.1	8.2									0
Average	11.3	11.7	11.2	9.4	11.7	13.4	15.5	15.4	12.1	9.8	11.0	11.2	

\* The new PM<sub>2.5</sub> standard of 12 µg/m<sup>3</sup> became effective on March 18, 2013

\*\* 2019 Data from continuous FEM Instruments

### PM<sub>2.5</sub> Monthly Averages 5-Year Trend



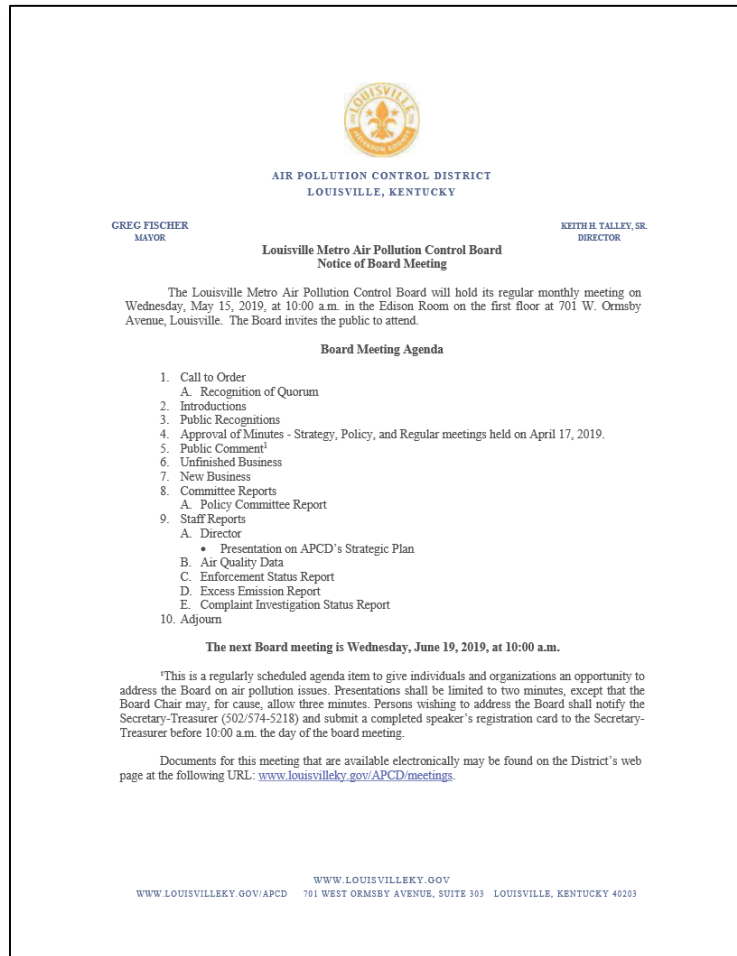
long-term exposure to 12 µg/m<sup>3</sup>. The standard is calculated by averaging the data collected

Year	2016-2018	2017-2019
2017	8.7	9.5
2018	9.4	9.9
2019	8.3	8.9
2020	9.0	9.6

short-term exposure to 12 µg/m<sup>3</sup>. The design value is the average of the 98<sup>th</sup> percentile of a year of PM<sub>2.5</sub> data collected

Year	2016-2018	2017-2019
2017	19.3	20.8
2018	21.4	22.0
2019	19.4	19.8
2020	19.4	20.9

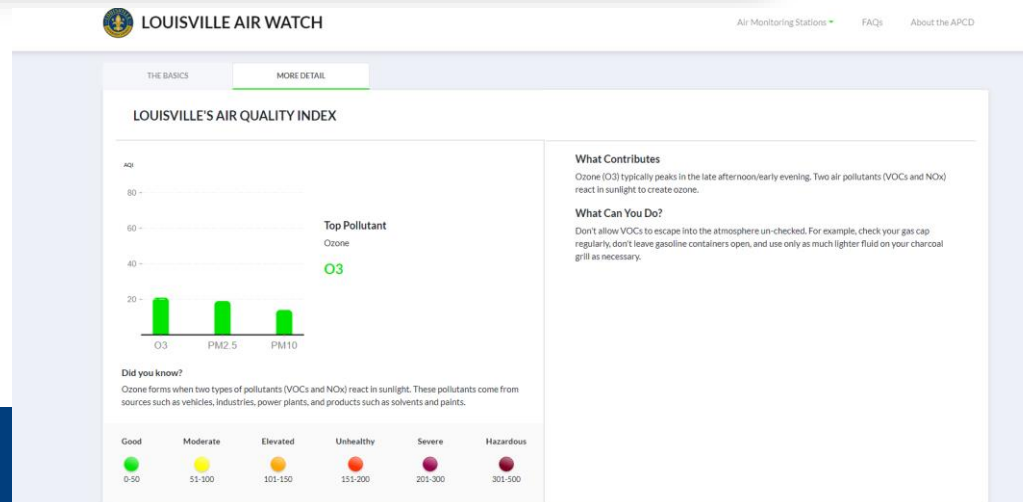
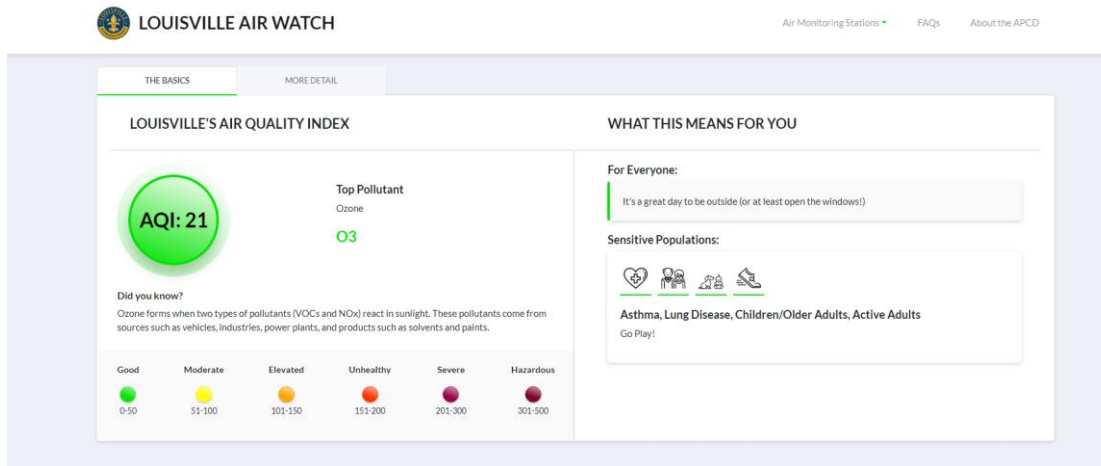
# Air Pollution Control Board



- Board meetings are recorded
- Agenda posted online before meeting
- Meeting minutes posted online after every meeting
- Board Orders and Agreements

# Louisville Air Watch

Provides real-time air quality data from EPA-approved air monitors located throughout Kentuckiana



# Reporting Air Pollution Problems

**IF AN ODOR IS AFFECTING YOUR HEALTH AND SAFETY,  
CALL 911 IMMEDIATELY!**

- APCD

- Call

- Email

- Visit



- Metro 311

- Online Port

- Mobile App

- Chat



 Chat with us...

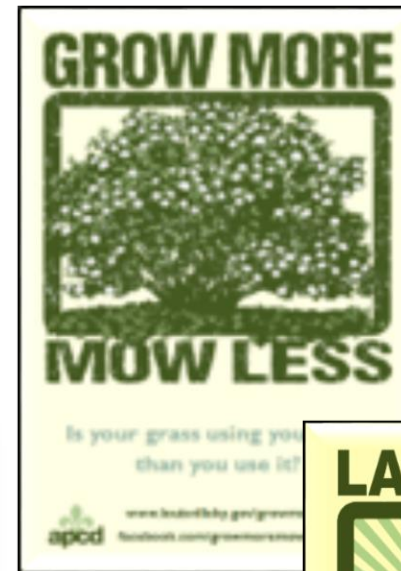


# Environmental Outreach

- Improves communication between the community and APCD
  - Better awareness of community concerns
  - Increases understanding of APCD's many functions as a regulator
  - Provides educational programs/resources to reduce air quality impacts
- Allows APCD to provide an **accurate** picture of current air quality, including **challenges *and* successes**, building support for future air quality improvement strategies



# Environmental Outreach Programs



## CLEARING THE AIR

### 2019 APCD Workshop Series

**AIR POLLUTION CONTROL DISTRICT**

Are you curious about the air you breathe, what's in it, and how it's protected?	<b>FEBRUARY 18</b>	<b>JULY 15</b>
Join us at our free monthly workshops to get an in-depth look at how we keep the air clean.	<b>MARCH 18</b>	<b>AUGUST 19</b>
	<b>APRIL 15</b>	<b>SEPTEMBER 16</b>
	<b>MAY 20</b>	<b>OCTOBER 21</b>
	<b>JUNE 17</b>	<b>NOVEMBER 18</b>

6 p.m.-7:30 p.m. | Louisville Free Public Library, 301 York St.

For more info, go to [www.louisvilleky.gov/APCD](http://www.louisvilleky.gov/APCD)  
(502) 574-6000

## LAWN CARE

for  
**CLEANER AIR**

Cut grass. Cut pollution.  
Up to \$100 rebate.

apcd [louisvilleky.gov/apcd/lawn-care](http://louisvilleky.gov/apcd/lawn-care)

**LOUISVILLE**  
KENTUCKY



# Resources

## **Environmental Protection Agency**

[EJSCREEN](#)

[National Air Toxics Assessment  
\(NATA\)](#)

[Environmental Justice](#)

[National Environmental Justice](#)

[Advisory Council](#)

## **Air Pollution Control District**

[Louisvilleky.gov/APCD](https://louisvilleky.gov/APCD)

## **Air Pollution Control Board**

<https://louisvilleky.gov/government/air-pollution-control-district/air-pollution-control-board>

## **KAIRE**

[Helptheair.org](https://helptheair.org)

[Facebook.com/helptheair](https://facebook.com/helptheair)

[Twitter.com/helptheair](https://twitter.com/helptheair)

## **Metro311**

<https://louisvilleky.gov/government/metro311>

# Resources

## **Louisville Air Watch**

<https://airqualitymap.louisvilleky.gov/>

## **General APCD Documents**

<https://louisvilleky.gov/government/air-pollution-control-district/general-apcd-documents>

## **Grow More Mow Less**

<https://louisvilleky.gov/government/air-pollution-control-district/grow-more-mow-less>

<Facebook.com/GrowMoreMowLess>

## **Lawn Care for Cleaner Air**

<https://Louisvilleky.gov/government/lawn-care-cleaner-air>